

This section explains all of the user inputs that are required in order to use *Cracked Beam*. The spreadsheet cells which require user inputs are highlighted with a yellow color. All inputs for this program require English units, which are specified to the right of the input cells. The first group of information required by *Cracked Beam* may be found in the subsection named Cross-section Dimensions. This subsection allows the user to input the dimensions of the desired cross-section into their respective spreadsheet cells. Figure A.1 provides a guide for the user so that the appropriate dimensions are entered into their corresponding cells. If the user does not want to perform the analysis using a slab or haunch, then the respective dimension cells may be left blank, or enter as zero. Also input in this subsection is the **Span Length**. This cell simply requires the unsupported span length of the beam being analyzed.

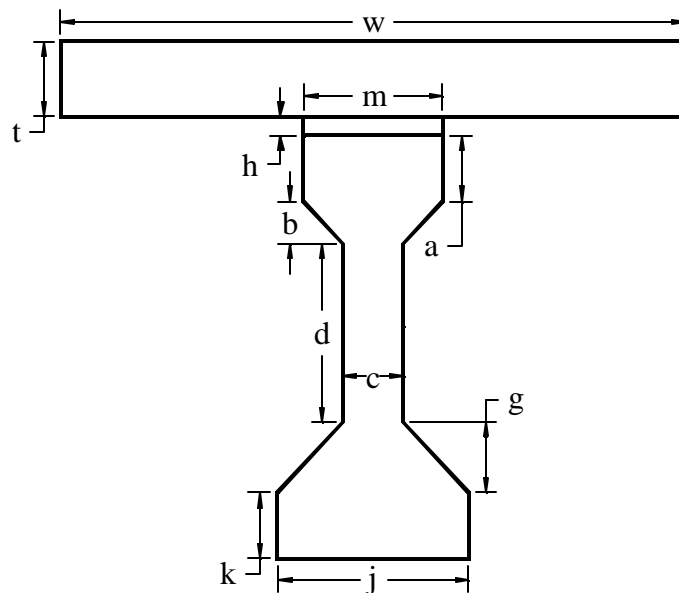


Figure A.1 Cross-sectional Dimensions Required by *Cracked Beam*

In some instances, such as the case of Type V and Type VI girders the top flange of the girder does not taper directly to the web as shown in Figure A.1. Instead, the top